

App. No. 10/749866
Office Action Dated September 22, 2004
Office Action Dated January 24, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 2 and 3 are canceled without prejudice or disclaimer.

Claims 1 and 4-9 are amended.

Listing of Claims:

1. (Currently Amended) A nozzle unit for [[the]] spreading [[of]] foamed glue onto a flat surface in the production of wood-based sheets, wherein the nozzle unit comprises:
[[has]]

a feeder canal [(1)] for directing the glue into the nozzle unit,

a [[row]] plurality of nozzles [(5)] for directing the glue from the nozzle unit onto [[a]] the flat surface, and [[also]]

a distribution canal network between the feeder canal and the nozzles for distributing the glue evenly to the nozzles, ~~characterized in that~~ wherein the area of the distribution canal network has a comprises:

a plurality of successive flow canal zones, each zone comprises flow canals such that each flow canal within the corresponding zone divides into at least two flow canals, wherein the division of the canals is the next canal zone,

a compensation canal (9) ~~closed to/from external, that forms a free-flow channel between the branches of the distribution canal network leading to the nozzles(5)~~ is connected to the flow canals of one canal zone, wherein the glue flows into the compensation canal only from the flow canals within the one canal zone.

2-3. (Canceled)

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4. (Currently Amended) A nozzle unit according to claim ~~[[2]] 1~~, characterized in ~~that in~~ wherein one canal zone before the nozzles ~~(5) is~~ comprises a valve vent ~~(6)~~ that ~~simultaneously opens and closes each of the canals in that canal zone.~~

5. (Currently Amended) A nozzle unit according to claim 2, characterized in ~~that~~ wherein the compensation canal ~~[[9]]~~ is arranged in the last canal zone before the nozzles.

6. (Currently Amended) A nozzle unit according to claim 4, characterized in ~~that~~ wherein the nozzle unit ~~contains~~ further comprises a return canal ~~[[7]]~~ and the ~~[[vent]]~~ valve ~~contains~~ comprises connections ~~[[8]]~~ that direct the glue to the return canal when the ~~[[vent]]~~ valve closes the nozzles.

7. (Currently Amended) A nozzle unit according to claim 1, characterized in ~~that~~ wherein the distribution flow canals connected to the compensation canal ~~[[9]]~~ are of equal flow cross-section.

8. (Currently Amended) A nozzle unit according to claim 1, characterized in ~~that~~ wherein the flow cross-section of the compensation canal ~~[[9]]~~ is ~~essentially~~ larger than the flow cross-section of the distribution flow canals that it connects to one another.

9. (Currently Amended) A nozzle unit according to claim 1, characterized in ~~that~~ wherein the nozzle unit has ~~[[a]]~~ the compensation canal in at least two different canal zones.